

ABSTRACT OF THE DISCLOSURE

A system and method for assigning operations to multiple pipelines in a graphics system is disclosed. The graphics system may include an arbitration unit coupled to a plurality of calculation pipelines. The arbitration unit is operable to provide graphics operations to selected ones of the calculation pipelines. Each of the calculation pipelines is operable to perform a graphics operation. Each of the calculation pipelines may include digital logic and/or a processing element for performing the graphics operations. An operation may be assigned to a pipeline if the pipeline is performing a low latency operation. A low latency operation may comprise an operation that is performed by one of the calculation pipelines in less time than a pre-determined number of clock cycles.

1003490